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Item 5 of the provisional agenda

ACTIVITIES IMPLEMENTED JOINTLY UNDER THE PILOT PHASE

Issues to be addressed in the review of the pilot phase, including the third synthesis report

Note by the secretariat

Addendum

ANNEXES

This addendum contains the annexes of document FCCC/CP/1999/5. Annex 1 contains the tables referred to in part two of the document; annex 2 presents a draft revised uniform reporting format for activities implemented jointly.

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Annex 1

Table 1. Activities implemented jointly under the pilot phase: main features of projects

Activity type	Activity title	Parties (Host / Investor)	Lifetime (years)	GHG impact[a] (tons)
Afforestation	PROFAFOR	Ecuador / Netherlands	---	---
Afforestation	RUSAFOR: Saratov Afforestation Project	Russian Federation / United States of America	60	292 728
Agriculture	Community Silviculture in the Sierra Norte of Oaxaca	Mexico / United States of America	30	3 065 333
Agriculture	Project Salicornia: Halophyte Cultivation in Sonora	Mexico / United States of America	60	3 255
Energy efficiency	Adavere District Heating	Estonia / Sweden	10	2 000
Energy efficiency	AIJ Project "Energy Efficiency Improvement at ISCOR"	South Africa / Netherlands	---	---
Energy efficiency	Air Conditioner Energy Conservation Programme for the Solomon Islands	Solomon Islands / Australia	10	13 850
Energy efficiency	Aluksne District Heating	Latvia / Sweden	10	30 850
Energy efficiency	Balvi District Heating	Latvia / Sweden	10	40 000
Energy efficiency	Boiler Replacement and Cogeneration in Adazi and Cielvarde	Latvia / Netherlands	15	51 000
Energy efficiency	Burkina Faso Sustainable Energy Management	Burkina Faso / Norway	6	1 450 000
Energy efficiency	CO_2 Recovery in a Brewery in Zagreb	Croatia / Belgium	15	50 250
Energy efficiency	COGAS/ANELEC	Bolivia / Netherlands	---	---
Energy efficiency	District Heating Network Rehabilitation in Talsi	Latvia / Sweden	15	4 640
Energy efficiency	Emission Reduction at Power Plants in Romania	Romania / Netherlands	5	1 093 000
Energy efficiency	Energy Efficiency in Drinking Water Supply	Romania / Netherlands	---	---
Energy efficiency	Energy Efficiency in Mustamae (Estib)	Estonia / Sweden	20	17 070
Energy efficiency	Energy Efficiency Improvement by Hungarian Municipalities and Utilities	Hungary / Netherlands	20	240 000
Energy efficiency	Energy Saving Project in Saldus III	Latvia / Sweden	15	1 980
Energy efficiency	High Efficiency Lighting (ILUMEX)	Mexico / Norway	4.5	[b] 85 801
Energy efficiency	Horticulture Project in Tyumen	Russian Federation / Netherlands	---	---
Energy efficiency	Improvement of District Heating Bulgaria (Pleven)	Bulgaria / Netherlands	---	---
Energy efficiency	Installation of Coke Dry-Quenching Facility	China / Japan	20	---

Table 1. (continued)

Activity type	Activity title	Parties (Host / Investor)	Lifetime (years)	GHG impact[a] (tons)
Energy efficiency	Integrated Agriculture Demand-Side Management AIJ Pilot Project	India / Norway	20	1 494 600
Energy efficiency	Introduction of High Efficiency Illumination in the Residential Sector	Honduras / Netherlands	---	---
Energy efficiency	Järvakandi District Heating	Estonia / Sweden	10	3 900
Energy efficiency	Jelgava District Heating	Latvia / Sweden	10	4 120
Energy efficiency	Jelgava Energy Efficiency	Latvia / Sweden	10	800
Energy efficiency	Liepa Boiler Conversion Project	Latvia / Sweden	15	62 900
Energy efficiency	Modelling and Optimization of Grid Operation of the Gas Transportation System "Ushgorod Corridor" of Wolgotransgas (Gazprom)	Russian Federation / Germany	2	225 000
Energy efficiency	Modernization of Cement Factory in Cizkovice	Czech Republic / France	5	168 000
Energy efficiency	Mohammedia RGCC Power Plant	Morocco / Italy	23	---
Energy efficiency	Mustamäe - Mustamäe Tee, Ehitajate Tee, Sütiste Tee Energy Efficiency (cooperative houses)	Estonia / Sweden	15	2 712
Energy efficiency	Mustamae - Vilde Tee Energy Efficiency	Estonia / Sweden	10	3 000
Energy efficiency	New Boiler Plant in Ignalina	Lithuania / Sweden	25	116 820
Energy efficiency	New Boiler Plant in Limbazi	Latvia / Sweden	25	142 100
Energy efficiency	Orissare District Heating	Estonia / Sweden	10	8 500
Energy efficiency	Redesign of the Energy Process at Bacstej Kft	Hungary / Netherlands	---	---
Energy efficiency	Reduction of Atmospheric Pollution through Modernisation of the Energy Supply System in the Town of Byczyna	Poland / Netherlands	15	60 600
Energy efficiency	Saldus District Heating	Latvia / Sweden	10	3 350
Energy efficiency	Saldus Energy Efficiency	Latvia / Sweden	10	2 100
Energy efficiency	Staciunai District Heating	Lithuania / Sweden	10	3 300
Energy efficiency	Sustainable Heat and Power for Public Networks in Poland	Poland / Netherlands	15	76 765
Energy efficiency	Swiss Thermal Energy Project in Buzan and Pascani, Romania (STEP)	Romania / Switzerland	15	138 600
Energy efficiency	System Project in Kuressaare	Estonia / Sweden	25	291 250
Energy efficiency	System Project in Türi (2)	Estonia / Sweden	15	97 357
Energy efficiency	The Model Project on Effective Utilization of Energy in Re-heating Furnace in Steel	Thailand / Japan	10	34 100
Energy efficiency	Türi District Heating	Estonia / Sweden	10	9 100
Energy efficiency	Valga District Heating	Estonia / Sweden	10	7 000
Energy efficiency	Valga District Heating Renovation	Estonia / Sweden	25	20 885
Energy efficiency	Vändra District Heating	Estonia / Sweden	10	2 200

Table 1. (continued)

Activity type	Activity title	Parties (Host / Investor)	Lifetime (years)	GHG impact[a] (tons)
Energy efficiency	Võru District Heating	Estonia / Sweden	10	40 000
Energy efficiency	Zelenograd District Heating System Improvements	Russian Federation / United States of America	30	1 575 040
Forest preservation	Bilsa Biological Reserve	Ecuador / United States of America	30	1 170 108
Forest preservation	ECOLAND: Piedras Blancas National Park	Costa Rica / United States of America	16	1 342 733
Forest preservation	Forest Rehabilitation in Krkonose and Sumava National Parks	Czech Republic / Netherlands	15	9 834 120
Forest preservation	Noel Kempff Mercado Climate Action Project	Bolivia / United States of America	30	55 345 286
Forest preservation	Reduced Impact Logging for Carbon Sequestration in East Kalimantan	Indonesia / United States of America	40	134 379
Forest preservation	Rio Bravo Carbon Sequestration Pilot Project	Belize / United States of America	40	6 023 992
Forest preservation	Territorial and Financial Consolidation of Costa Rican National Parks and Biological Reserves	Costa Rica / United States of America	25	57 467 271
Forest reforestation	Commercial Reforestation in the Chiriquí Province	Panama / United States of America	25	57 640
Forest reforestation	Klinki Forestry Project	Costa Rica / United States of America	46	7 216 000
Forest reforestation	Reforestation and Forest Conservation	Costa Rica / Norway	25	230 842
Forest reforestation	Reforestation in Vologda	Russian Federation / United States of America	60	858 000
Forest reforestation	Scolel Té: Carbon Sequestration and Sustainable Forest Management in Chiapas	Mexico / United States of America	30	1 210 000
Fuel switching	City of Decin: Fuel Switching for District Heating	Czech Republic / United States of America	27	607 150
Fuel switching	Coal to Gas Conversion	Poland / Norway	17	2 992 442
Fuel switching	District Heating Tikhvin	Russian Federation/ Netherlands	---	---
Fuel switching	Energy Saving in the Slovakian Dairy Industry	Slovakia / Netherlands	1.5	---
Fuel switching	RABA/IKARUS Compressed Natural Gas Engine Bus Project	Hungary / Netherlands	20	[a]148 000
Fuel switching	Replacement of Brown Coal-fired Boilers by a Biomass-fired Boiler	Slovakia / Netherlands	1.5	7 400
Fuel switching	Rural Electrification in the San Ramón Area	Bolivia / Netherlands	---	---

Table 1. (continued)

Activity type	Activity title	Parties (Host / Investor)	Lifetime (years)	GHG impact[a] (tons)
Fugitive gas capture	Improvement of the Waste Water Infrastructure at Targo Mures	Romania / Netherlands	---	---
Fugitive gas capture	Methane Emission Reduction at Wastewater Treatment Plant in Coffee Mills	Costa Rica / Netherlands	10	122 415
Fugitive gas capture	RUSAGAS: Fugitive Gas Capture Project	Russian Federation / United States of America	28	30 955 750
Fugitive gas capture	Sanitary Landfilling with Energy Recovery in the Moscow Region	Russian Federation / Netherlands	10	255 268
Renewable energy	Aeroenergía S.A. Wind Facility	Costa Rica / United States of America	20	36 194
Renewable energy	Alizés Electrification Rurale (Alizés Rural Electrification)	Mauritania / France	20	16 315
Renewable energy	Aluksne Boiler Conversion	Latvia / Sweden	10	254 000
Renewable energy	APS/CFE Renewable Energy Mini-grid Project	Mexico / United States of America	30	7 415
Renewable energy	Baisogale Boiler Conversion	Lithuania / Sweden	10	109 000
Renewable energy	Balvi Boiler Conversion	Latvia / Sweden	10	132 000
Renewable energy	Bio-Gen Biomass Power Generation Project, Phase I	Honduras / United States of America	21	2 373 940
Renewable energy	Bio-Gen Biomass Power Generation Project, Phase II	Honduras / United States of America	21	2 373 940
Renewable energy	Birzai Boiler Conversion	Lithuania / Sweden	15	169 500
Renewable energy	Brocenia Boiler Conversion	Latvia / Sweden	10	86 000
Renewable energy	Daugavgriva Boiler Conversion	Latvia / Sweden	15	195 000
Renewable energy	Doña Julia Hydroelectric Project	Costa Rica / United States of America	15	210 566
Renewable energy	El Hoyo-Monte Galan Geothermal Project	Nicaragua / United States of America	38	14 119 469
Renewable energy	Fuel Switch From Fossil Fuels to Bio-Energy AIJ Pilot Project	Slovakia / Norway	30	51 000
Renewable energy	Grid Connected Photovoltaic Project	Fiji / Australia	1	13
Renewable energy	Haabneme Boiler Conversion	Estonia / Sweden	10	124 000
Renewable energy	Janmuiza Boiler Conversion	Latvia / Sweden	10	38 000
Renewable energy	Jekabpils Boiler Conversion	Latvia / Sweden	10	24 000
Renewable energy	Jurmala Boiler Conversion	Latvia / Sweden	10	94 000
Renewable energy	Kazlu Ruda Boiler Conversion	Lithuania / Sweden	10	44 000
Renewable energy	Kilung-Chuu Micro Hydel, Bhutan	Bhutan / Netherlands	4	25
Renewable energy	Matanzas Hydroelectric Project	Guatemala / United States of America	15	1 156 195
Renewable energy	Narva Jõesuu Boiler Conversion	Estonia / Sweden	10	8 100
Renewable energy	Paldiski Boiler Conversion	Estonia / Sweden	10	81 000
Renewable energy	Performance Monitoring of Solar Systems	Mauritius / Australia	20	2 080

Table 1. (continued)

Activity type	Activity title	Parties (Host / Investor)	Lifetime (years)	GHG impact[a] (tons)
Renewable energy	Plantas Eólicas S.A. Wind Facility	Costa Rica / United States of America	22	379 173
Renewable energy	Rauna Boiler Conversion	Latvia / Sweden	10	24 000
Renewable energy	Renewable Energy Training/Demonstration Project	Australia / Indonesia	20	1 300
Renewable energy	Rural Solar Electrification in Bolivia: Pilot Phase	Bolivia / United States of America	20	1 300
Renewable energy	SELCO - Sri Lanka Rural Electrification	Sri Lanka / United States of America	29	5 684 448
Renewable energy	Slampe Boiler Conversion	Latvia / Sweden	10	39 000
Renewable energy	Solar-based Rural Electrification in Honduras	Honduras / United States of America	24	34 398
Renewable energy	Sventupe Boiler Conversion and Energy Efficiency	Lithuania / Sweden	10	36 500
Renewable energy	Tartu-Aardla Boiler Conversion	Estonia / Sweden	15	122 300
Renewable energy	The Santa Teresa Hydroelectric Project	Guatemala / United States of America	15	1 241 130
Renewable energy	Tierras Morenas Windfarm Project	Costa Rica / United States of America	14	57 203
Renewable energy	Ugale Boiler Conversion	Latvia / Sweden	10	44 000
Renewable energy	Valga Boiler Conversion	Estonia / Sweden	10	64 000
Renewable energy	Valka Boiler Conversion	Latvia / Sweden	10	30 000
Renewable energy	Varena Boiler Conversion	Lithuania / Sweden	10	195 000
Renewable energy	Vienybe Boiler Conversion	Lithuania / Sweden	10	140 000
Renewable energy	Viesite Boiler Conversion	Latvia / Sweden	10	24 000
Renewable energy	Viljandi Boiler Conversion	Estonia / Sweden	15	147 000
Renewable energy	Võru Boiler Conversion	Estonia / Sweden	10	114 000
Renewable energy	Wind Power Plant	Latvia / Germany	10	13 500
Renewable energy	Ziegzdriai Boiler Conversion and Energy Efficiency	Lithuania / Sweden	10	22 000

a Estimated greenhouse-gas (GHG) emissions reduced or sequestered (in metric tons of CO_2 equivalent) during the lifetime of the project. Some of the values have been revised since document FCCC/CP/1998/2.

b This project absorbed two previously reported activities "CARFIX: Sustainable Forest Management" and "BIODIVERSIFIX"

c The AIJ component of this project represents only 11.8 per cent of 727 130 metric tons of CO_2 equivalent reduced by the project.

d Applying an average of various scenarios regarding the level of the future market penetration of CNG buses, the annual GHG impact is estimated to be 7 400 metric tons of CO_2 equivalent. (20 x 7 400 metric tons = 148 000 metric tons)

Table 2. Number of activities and GHG impact, by activity type, during project lifetime

Activity type	Number of activities[*]	GHG impact[**]	Average GHG impact per project[**]
Afforestation	1 (2)	292 728	292 728
Agriculture	2	3 068 588	1 534 294
Energy efficiency	40 (49)	7 674 540	191 864
Forest preservation, reforestation or restoration	12	140 890 371	11 740 864
Fuel switching	4 (7)	3 754 992	938 748
Fugitive gas capture	3 (4)	31 333 433	10 444 478
Renewable energy	46	30 120 003	654 783
TOTAL	**108 (122)**	**217 134 655**	**2 010 506**

[*] While the total number of projects is 122, only 108 project reports provided information on the GHG impact. Numbers in brackets indicate the total number of activities: one afforestation, three fuel switching, one fugitive gas capture and nine energy efficiency activities have therefore not been taken into account in calculating the average GHG impact.

[**] Estimated GHG emissions reduced or sequestered (in tons of CO_2 equivalent).

Table 3. Number of activities, by type and region

Activity type	Region[*]				Total per type
	AFR	ASP	EIT	LAC	
Afforestation			1	1	2
Agriculture				2	2
Energy efficiency	3	4	39	3	49
Forest preservation, reforestation or restoration		1	2	9	12
Fuel switching			6	1	7
Fugitive gas capture			3	1	4
Renewable energy	2	4	28	12	46
Total per region	**5**	**9**	**79**	**29**	**122**

[*] AFR: Africa, ASP: Asia and Pacific, EIT: Economies in transition, LAC: Latin America and Caribbean

Annex 2

DRAFT REVISED UNIFORM REPORTING FORMAT FOR ACTIVITIES IMPLEMENTED JOINTLY

1. The Conference of the Parties, by its decision 10/CP.3[1], adopted the uniform reporting format (URF) contained in the report of the fifth session of the SBSTA[2], and invited Parties to report in accordance with that format and to provide inputs to the secretariat on their experience in using it, so that, if necessary, changes can be incorporated.

2. The SBSTA and the SBI, at their tenth sessions, agreed that the review of the AIJ pilot phase referred to in decision 5/CP.1, paragraph 3 (b) and decision 6/CP.4 shall address several issues, including the assessment of the URF and the elaboration of options for its improvement, including a list of standardized terminology and common definitions for key terms, *inter alia*, related to costs, baselines, monitoring, reporting and verification (FCCC/SBSTA/1999/6). In this context, the following draft revised URF for AIJ has been prepared taking into consideration views by Parties expressed in the context of the review and the experience of the secretariat in preparing the second and third synthesis reports on the AIJ pilot phase.

3. In preparing the draft revision of the URF, consideration was given to the following issues:

(a) In order to encourage a better flow of data and to improve the user-friendliness of the reporting format, some structural changes have been made (see table with overview of suggested revisions). These were, however, kept at a minimum so as to avoid an additional reporting burden for ongoing activities and, hence, increased costs to Parties involved.

(b) In order to enhance the quality, in particular, the consistency, comparability and, hence, the analytical usefulness of data, explanations and guiding comments were added. A provision has been made for obtaining activity level and emission factor data.

(c) In order to gather additional information related to the identification of baselines, there is also a provision for more detailed reporting on "top-down", "benchmark"/"technology matrix" and "project-specific" baseline approaches, or combinations thereof.

4. At the eleventh sessions of the subsidiary bodies, Parties may wish to consider:

(a) Reviewing and adopting a draft revised URF; and

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[1] For the full texts of decisions adopted by the Conference of the Parties at its first, third and fourth sessions, see documents FCCC/CP/1995/7/Add.1, FCCC/CP/1997/7/Add.1 and FCCC/CP/1998/16/Add.1, respectively.

[2] FCCC/SBSTA/1997/4.

(b) Requesting all designated national authorities (DNA) involved in an activity implemented jointly to submit reports, using the URF, jointly and simultaneously, so as to avoid the need for repeated queries and checks.

5. Issues on which Parties may wish to elaborate, with a view to eventually further improving the URF, may include:

(a) Guidance on the relationship between the URF and other areas of work such as guidelines for inventories; the methodological work on land-use, land-use change and forestry, IPCC work on good practices; and

(b) Guidance related to monitoring and verification, and to methodologies or formats for reporting economic information pertaining to social and cultural impacts.

Table: Overview of suggested revisions

URF Section	Revised URF Section	Comments
		Titles have been shortened with notes added under titles. Questions and guiding comments have been added.
A.1	B.1	No substantive change
A.2	B.2	Details of contact information are to be reported in the annex to the revised URF using a new table for contact information. A descriptor system for functions has been defined.
A.3	B.3	The table format was abandoned. Former rows in the table are now subsections. A system for categorizing projects was added (see annex 2 in revised URF). Stages of the project have been defined and new options were added. The lifetime of a project is now contained in subsection B.3.5.
A.4	E.7	Section A.4 is now section E.7 and has been completely revised. For calculations, the net present value methodology (NPV) is suggested. A new table for reporting cost information on the AIJ project is proposed. Calculations of cost per metric tons of CO_2 equivalent reduced or sequestered are not being directly reported anymore, but can be computed using the information in section E. (One Party suggested that the difference in NPV of the baseline/reference case and the project case be used as an element of the calculation of cost per tons. As some of the methodologies for identifying the baseline may not lend themselves to such a calculation, this concept has not yet been represented in the revised URF.)
A.5	E.6	Subsections were added for monitoring, verification and certification with questions and guiding comments.
B	A	This section has been revised in light of the assumption that henceforth only joint reporting is allowed. The new section allows indicating modifications.
C.	C.	No change
D. and H.3	D	These two sections have been merged and the table format converted into subsections. Some guiding comments were revised.
E.	E.	This section has been substantially revised in light of experience with, inter alia, the nature of information received through the previous format and methodological work.

URF Section	Revised URF Section	Comments
E.1	E.1	Baseline/reference scenario: Subsections were added in order to structure existing and to trigger additional information (such as identifying the developer of the baseline/reference scenario; the type of approach; reasons for selecting a baseline/reference scenario; reasons for the choice of project lifetime; detailed description of calculations of GHG values including underlying assumptions etc.)
---	E.2	New subsection added allowing reporting on revisions of the baseline/reference scenario (dynamic baselines).
E.2	E.3 and E.4	The section was split into two new sections. E.3 allows reporting on the project scenario, i.e. the projection for the activity. E.4 allows reporting information on the actual project.
Tables in E.2	E.5	The orientation of columns and rows has been changed in light of comments by Parties. Values are to be converted using 1995 IPCC global warming potential (GWP) values[3] based on the effects of greenhouse gases over a 100-year time. Three subsections are suggested representing three types of tables similar in their structure. Table E.5.1 allows reporting values on the baseline and the project scenario prior to the lifetime of the project. Section E.5.2 provides the possibility to report on revisions and E.5.3 on actual values.
F.	F	The section has been revised adding subsections and tables. Subsection one provides for an explanation on financial additionality (Financial mechanism and ODA). Subsection two and three provide a table to report on sources of funding by origin (host / investor), the category (e.g. NGO, IGO, private sector, public sector etc.) and the respective amounts sought/secured.
G.	G.	The section has been revised adding subsections and providing detailed questions.
H.	H.	The subsections have been either dropped (H.1, H.2, H.4 and H.5) or moved (H.3 see above).

[3] As provided by the IPCC in its Second Assessment Report. Please refer also to conclusions of the SBSTA at its fourth session (FCCC/SBSTA/1996/20) and decision 2/CP.3 (FCCC/CP/1997/7/Add.1).

DRAFT REVISED UNIFORM REPORTING FORMAT: ACTIVITIES IMPLEMENTED JOINTLY UNDER THE PILOT PHASE

Instructions for submission

1. The uniform reporting format (URF) contained below is to be used in reporting on activities implemented jointly under the pilot phase and was adopted by the Conference of the Parties at its [fifth] session (FCCC/CP/[1999/...]) and should be consistent with decision 5/CP.1, contained in annex 4 to this URF.

2. A report (first, interim or final) is to be submitted to the secretariat by the designated national authority (DNA) of a participating Party with proof of concurrence, on official letterhead, of all other DNAs involved in the project and is then considered to be "mutually-agreed". While the submitting Party may initially forward reports using electronic mail in combination with fax for the proof of concurrence, all documents must be made available to the secretariat in original form.

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Annexes

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Annex 5 - DECISION 5/CP.1

A. Governmental acceptance, approval or endorsement

* Date of this report:

* This report is a *(please underline)*:
  - First report
  - Interim report
  - Final report

* In the case of an interim or final report, please indicate which sections were modified since the last report *(e.g. B.2, E.2.4, F.2)*

* Please attach letters of concurrence, on official letterhead of **all** designated national authorities (DNA) of participating Parties. *(See "Instructions for submission" above)*

B. Summary of AIJ project

B.1 Title of project

B.2 Participants

Please describe briefly role(s) of the main participating organization(s) and provide detailed contact information in annex 1:

B.3 Activity summary

B.3.1 General description

Please provide a brief description of the project including brief information on the GHG impact as well as the type and scale of the technology deployed, such as installed capacity, through-put, etc. (up to half a page):

B.3.2 Type of activity

Please use project descriptors contained in annex 2.

B.3.3 Location (e.g. city, region, state):

B.3.4 Stage of activity *(Please underline the appropriate option)*:

* Pre-feasibility study completed

* Feasibility study completed

* In start-up phase
(e.g. ensuring financing, construction of site, purchase of land, etc.)

* In operation
(e.g. new windmill plant is connected, converted boiler reconnected, etc. and real, measurable and long-term GHG emission reductions or removals by sinks are generated)

* Completed
(project no longer generates GHG reductions or removals by sinks /has been terminated)

* Suspended
(Please indicate date when project activities are expected to resume, and give brief explanation of reasons (up to half a page)):

B.3.5 Lifetime:
Please provide the following dates, as applicable, in the format DD/MM/YYYY:

* Approval date:
(Date at which the AIJ was mutually approved by designated national authorities of ***all*** *Parties involved.)*
* Starting date:
(Date at which real, measurable and long-term GHG reductions or removals by sinks begin/began to be generated.)
* Ending date (expected):
(Date at which AIJ project is expected to no longer generate GHG reductions or removals by sinks.)
* Ending date (actual):
(Date at which AIJ project is no longer generating GHG reductions or removals by sinks / has been terminated.)

C. General compatibility with and supportiveness of national economic development and socio-economic and environment priorities and strategies

Describe briefly (up to one page) and refer to documents, decisions and laws, as appropriate:

D. Environmental, economic, social and cultural impacts

Whenever possible, quantitative information should be provided. Failing that, a qualitative description should be given.

D.1 Environmental impact (positive and/or negative)

Please provide qualitative and quantitative information reflecting environmental impact assessment standards (attach copies of reports or provide details on information sources) (up to one page):

D.2 Economic impact (positive and/or negative)

Please provide qualitative and quantitative information on key economic indicators (attach copies of reports or provide details on sources of information) (up to 1 page):

D.3 Social and cultural impact (positive and/or negative)

Please provide qualitative and quantitative information (attach copies of a report or provide details on sources) (up to 1 page):

E. Calculation of real, measurable and long-term environmental benefits, related to the mitigation of climate change, that would not have occurred otherwise

Section E.1 should describe the baseline/reference scenario, i.e. what would have occurred in the absence of the AIJ project, including methodologies applied. Section E.2 provides the opportunity to report on baseline revisions as applicable. In Section E.3, the AIJ project scenario should be presented including the methods applied to calculate the levels of emissions and removals by sinks. Section E.4 should provide information on the actual project. Section E.5 shows the data in tabular format. Section E.6 provides for the reporting of monitoring, verification and, if applicable, certification arrangements. Information on cost is to be reported in section E.7.
If this project has several sub-activities, please reproduce sections E.1 to E.5 for each sub-activity, as appropriate.

E.1 The baseline/reference scenario for the project

E.1.1 * Date of baseline study: (DD/MM/YYYY)
* Carried out by (name) *(Please provide detailed contact information in annex 1):*

E.1.2 Baseline methodology applied *(Please underline the appropriate option(s))*:

* Project-specific:
  - simulating a likely situation that would have existed without the project
  - taking an actual reference case project
  - other (*Please specify (insert lines as needed)*):

* 'Benchmark' / 'technology matrix'
* Economic or energy modeling ('top-down')

E.1.3 Reasons for selecting a baseline *(Describe briefly (up to 1 page))*:

E.1.4 Details on the methodology applied:

* System boundary/degree of aggregation *(Please underline and describe briefly below the system boundary (up to half a page))*:
  - global
  - national
  - sectoral *(please specify)*:_____
  - project
  - other *(please specify)*:_____

* Discount rates applied *(in per cent)*:
  - investor country: _____
  - host country:_____

* Risk factors *(quantify if possible)*:
  - investor country:_____
  - host country: _____

* Reasons for the choice of lifetime *(Describe briefly (up to half a page))*:

* Calculation of values reported in 'Baseline scenario' in table E.5.1 column (A):
Please describe also assumptions and factors underlying the calculations (such as activity data, load factors), as well as effects occurring outside the system boundary covering:
(i) positive effects (e.g. technology spillovers; awareness building; cost reduction of technology due to scale effects; attraction of demand for clean, reliable services); and
(ii) negative effects (e.g. displacing activities that cause emissions in another location; purchasing or contracting out of services and commodities that were previously produced or provided on-site and now lead to emissions elsewhere; emission increases due to higher demand for services and commodities whose market price has been reduced through the project; changes in emissions during a life-cycle of a product so that emissions arise in other stages of the life-cycle that are not subject to constraints). If you use an overall leakage correction factor, please explain your choice.
(up to 2 pages):

E.2 Revision of the baseline/reference scenario for the project

E.2.1 Baseline revisions are planned (please underline): Yes/ No

If yes, please complete the remainder of section E.2.

E.2.2 Revisions are planned at regular intervals (please underline): Yes/ No

* If yes, please specify date of first revision and the length of the intervals:

* If no, please explain revision schedule *(up to half a page)*:

E.2.3 If a baseline revision is covered with this report, indicate:

* List parameters changed in the revision(s) *(e.g. Revision 1 - energy demand, Revision 2: energy mix of the host grid, etc.)*:

* Date of last baseline revision: *(DD/MM/YYYY)*

* Date of the next baseline revision: *(DD/MM/YYYY)*

E.2.4 Describe briefly the nature of each revision including the calculation of the new set of values in 'Baseline scenario' in column (A) of the table in section E.5.2 *(Please be sure to take into account, to the extent possible, effects occurring outside the system boundary. Please ensure consistent references) (up to one page for each revision)*

E.3 The project scenario

E.3.1 Assumptions for the activity/project scenario and system boundary *(Indicate to which extent these assumptions and boundaries differ from the baseline scenario)*:

E.3.2 Describe the project scenario *(up to 2 pages)*:

E.3.3 Calculation of values reported in 'Project scenario' in table E.5.1 column (B)

Please describe also assumptions and factors underlying the calculations (such as activity data, load factors), as well as effects occurring outside the system boundary covering:
(i) positive effects (e.g. technology spillovers; awareness building; cost reduction of technology due to scale effects; attraction of demand for clean, reliable services); and
(ii) negative effects (e.g. displacing activities that cause emissions in another location; purchasing or contracting out of services and commodities that were previously produced or provided on-site and now lead to emissions elsewhere; emission increases due to higher demand for services and commodities whose market price has been reduced through the project; changes in emissions during a life-cycle of a product so that emissions arise in other stages of the life-cycle that are not subject to constraints). If you use an overall leakage correction factor, please explain your choice.
(up to 2 pages):

E.4 Scope and performance of the actual project

Describe changes with regard to the project scenario (See section E.3 above):

E.5 Tables on real, measurable long-term GHG emission reductions or removals by sinks (in CO_2 equivalent)

E.5.1 Projected real, measurable and long-term GHG reductions or removals by sinks

Summary table prior to the lifetime of the project
(in metric tons of CO_2 equivalent [a])

Insert rows as needed

Year	**Baseline scenario**[b] *(A)*				**Project scenario**[b] *(B)*				**Projected real, measurable and long-term GHG reductions (-) and/or removals by sinks (+)** *((B)-(A))*			
	CO_2	CH_4[a]	N_2O[a]	other[a]	CO_2	CH_4[a]	N_2O[a]	other[a]	CO_2	CH_4	N_2O	other
TOTAL												

[a] *Please convert values into global warming potentials, referring to annex 3 for conversion factors.*

[b] *Including effects occurring outside the system boundary.*

E.5.2 Revised projected real, measurable and long-term GHG reductions or removals by sinks

Please prepare for each revision a table starting with the year of the baseline revision

Summary table for: Revision number___ *(Please fill in as appropriate)*

(in metric tons of CO_2 equivalent [a])

Insert rows as needed

Year	**Baseline scenario**[b] *(A)*				**Project scenario**[b] *(B)*				**Revised real, measurable and long-term GHG reductions (-) and/or removals by sinks (+)** *((B)-(A))*			
	CO_2	CH_4[a]	N_2O[a]	other[a]	CO_2	CH_4[a]	N_2O[a]	other[a]	CO_2	CH_4	N_2O	other
TOTAL												

[a] *Please convert values into global warming potentials, referring to annex 3 for conversion factors.*

[b] *Including effects occurring outside the system boundary.*

E.5.3 Actual real, measurable and long-term GHG reductions or removals by sinks

Summary table
(in metric tons of CO_2 equivalent [a])

Please insert values assessed ex post i.e. after measurement. Insert rows as needed

Year	**Baseline scenario**[b][c] *(A)*				**Actual project**[b][c] *(B)*				**Actual real, measurable and long-term GHG reductions (-) and/or removals by sinks (+)** *((B)-(A))*				**Values indicated are:** * **verified (V)** * **certified (C)**
	CO_2	CH_4[a]	N_2O[a]	other[a]	CO_2	CH_4[a]	N_2O[a]	other[a]	CO_2	CH_4	N_2O	other	
TOTAL													

[a] *Please convert values into global warming potentials, referring to annex 3 for conversion factors.*

[b] *Including effects occurring outside the system boundary.*

[c] *Values that differ from those in the table E.5.1 should be marked in* ***bold***

E.6 Mutually-agreed assessment procedures

E.6.1 Monitoring

* Does the project have a monitoring plan?*(Please underline)*: Yes / No
* Summarize briefly the key elements of the monitoring plan *(i.e. which parameters are being monitored, with what frequency, providing sampling intensities if appropriate, associated uncertainties, etc.) (not more than 1 page):*

* Is the monitoring conducted by project proponents?*(Please underline)*: Yes / No
* If no, which organization(s) is/are involved: *Kindly indicate the type of organization(s): consultancy, accredited certification body, government body, university etc. and provide their detailed contact information in annex 1 to this report:*

E.6.2 Verification

* Is the activity subject to independent verification *(Please underline)*: Yes / No
* If no, independent verification intended?*(Please underline)*: Yes / No
* If yes, what organization(s) is/are involved: *Please indicate the type of organization(s) (consultancy, accredited certification body, government body, university, etc.), and provide their detailed contact information in annex 1 to this report. Indicate the frequency of the assessments, how many assessments have taken place to date, and whether the assessment report(s) is/are publicly available if requested:*

* Summarize briefly the key elements of the verification activities: *(Please describe issues such as the project sign; project implementation; assessment of the baseline; key project parameters being verified; the frequency of assessment/surveillance; sampling approach applied by the assessing organization; etc.) (up to one page):*

E.6.3 Certification

Certification is not a formal requirement under the AIJ pilot phase. If the project has made provisions for third Party certification, please indicate the certification body, the frequency of certification, and attach copies of the certification agreement / protocol(s):

E. 7 Cost (to the extent possible)

E.7.1 The cost information is *(Please underline)*:

* provided below
* not provided because the data is *(Please underline)*:
  - not yet available
  - classified as confidential

E.7.2 Project costs and revenues

Please list cost/revenue figures per year (insert rows as needed):

Year	Cost/revenue description	incurred/ projected[a]	Amount in US$	NPV[b] in US$
(A)	(B)	(C)	(D)	(E)
Project development costs				
(1) Subtotal project development costs				
Capital costs				
(2) Subtotal capital costs				
Installation costs				
(3) Subtotal installation costs				
Operational/maintenance costs				
(4) Subtotal operational/maintenance costs				
Other costs				
(5) Subtotal other costs				
Transaction costs				
(6) Subtotal transaction costs				
Revenues				
(7) Subtotal revenues				
(8) Gross AIJ project costs ***(sum subtotals (1) to (5) above)***				
(9) Gross AIJ transaction costs ***(repeat value (6) above)***				
(10) Gross AIJ project revenues ***(repeat value (7) above)***				

[a] *Enter I=incurred, P=projected*

[b] *Use NPV method to calculate values. Please indicate hereafter relevant assumptions on, inter alia, exchange rates, discount and interest rates:*

F. Financing

F.1 Financial additionality

*The financing of AIJ shall be **additional** to financial obligations of Parties included in Annex II to the Convention within the framework of the financial mechanism, as well as to current official development assistance (ODA) flows (decision 5/CP.1). Please explain additionality in the context of this project (up to half a page).*

F.2 Project development

* Total financing required *(in thousand US$)*: ____

Insert rows as necessary

Source of project funding *including pre-feasibility phase (For each source one line)*	**Origin** [1]	**Category** [2]	**Amount** *(in thousand US$)*	
			sought	secured

[1] *Enter: H = host country, I= investor country, O=other*

[2] *Enter: 1 = Private sector contribution; 2 = Private sector loan; 3 = Public sector contribution; 4 = Public sector loan; 5= NGO contribution; 6 = NGO loan; 7= IGO contribution; 8 = IGO loan; 9 = GEF funding; 10 = ODA funding. Contribution may refer to grants or in-kind contributions (please specify).*

F.3 Project implementation/operation

* Total financing required *(in thousand US$)*: ____

Insert rows as necessary

Source of project funding *(For each source one line)*	**Origin** [1]	**Category** [2]	**Amount** *(in thousand US$)*	
			sought	secured

[1] *Enter: H = host country, I= investor country, O=other*

[2] *Enter: 1 = Private sector contribution; 2 = Private sector loan; 3 = Public sector contribution; 4 = Public sector loan; 5= NGO contribution; 6 = NGO loan; 7= IGO contribution; 8 = IGO loan; 9 = GEF funding; 10 = ODA funding. Contribution may refer to grants or in-kind contributions (please specify).*

G. Contribution to capacity-building, and the transfer of environmentally sound technologies and know-how

Note: Such contribution to other Parties, particularly developing country Parties, is to enable them to implement the provisions of the Convention. In this process, developed country Parties shall support the development and enhancement of endogenous capacities and technologies of developing country Parties

G.1 Identification of environmentally sound technology and know-how

Please identify the specific technologies transferred by providing, for each technology:

* name of manufacturer:
* place of manufacture *(Country)*:
* model names/numbers of equipment *(where appropriate)*:
* as well as any other relevant key specific technology characteristics:
* where applicable, name and location of provider and nature of training:

G.2 Characteristics of environmentally sound technology

The technology is *(underline the option)*:

* in a research and development stage
* being tested or demonstrated in similar conditions outside host country
* is at the initial stage of introduction into world market
* is at the initial stage of introduction into host market
* is commercially available and deployed in the world market
* is commercially available and deployed in the host market
* is not characterized by above options. *Please describe:*

G.3 Impact of the AIJ project on capacity-building and transfer of environmentally sound technology and know-how

Please provide information on whether the project has had an impact regarding indicators, such as:

* *information dissemination*
* *centres and networks*
* *effect on market development (e.g. relative changes in installed capacities, number of systems installed, investment volumes, sales volumes)*
* *specific barriers overcome (informational, financial, legal, institutional)*
* *institutions strengthened*
* *new financing schemes/models introduced*
* *new legal/institutional arrangements*
* *other*

(up to two pages):

H. Additional comments

Complete as appropriate:

Annex 1 to the uniform reporting format

PARTICIPANTS CONTACT INFORMATION

Please provide contact information for each organization. Add rows as required (by copying and pasting)

Name	Address [a]	Voice/Fax/E-mail
Organization(s) [b]: **Function(s) within activity[c]:**		
Officer responsible:		**Tel:** **Fax:** **E-mail:**
Contact person, if different from above:		**Voice:** **Fax:** **E-mail:**

[a] *Address should include: Department; Street; Postal code; City; Country and an Internet address of the organization (if available).*

[b] *Organization includes: institutions, ministries, government agency closely following the activity, companies, non-governmental organizations, etc. involved in the activity, i.e. research institutes associated with the project, auditors, etc.*

[c] *Function within activity: Please use the following categories:*

Function	*Description of function*
Project development	*Designing/developing the AIJ project and/or submitting the AIJ project proposal*
Project administration	*Implementing and administering the AIJ project activities*
Government regulation/oversight	*Ensuring compliance of the project with laws and regulations*
Technical assistance	*Providing scientific or other technical guidance for the purposes of project development and/or project administration*
Financing	*Serving as a source of funding for the AIJ project*
Monitoring	*Monitoring the environmental and/or socio-economic results of the project in accordance with a monitoring protocol*
Verification	*Verifying results (environmental and/or socio-economic) achieved by a project against preset criteria*
Certification	*Providing written assurance that a performance is achieved and/or a set of criteria is met by an activity*
Other (please specify)	

Annex 2 to the uniform reporting format

PROJECT TYPE DESCRIPTORS

To describe the type of project activity, please specify the sector(s) and activity(ies). Use a combination from the first column and one option from the second column.

Sector	Activity
Energy	Fuel-switching, alternative energy generation, improving energy efficiency, improving fuel handling, fugitive methane utilization, other (please specify)
Industrial processes (Excluding GHG emissions from energy production)	Material substitution, process/equipment change, waste treatment/recovery/recycling, other (please specify)
Solvent and other product use	Material substitution, process/equipment change, waste treatment/recovery/recycling, other (please specify)
Agriculture	Livestock productivity management, livestock manure management, crop management, crop-switching, fertilizer management, fertilizer substitution, other (please specify)
Land-use change and forestry	Forest preservation, afforestation, reforestation, agroforestry, silviculture (forest management), fire management, sustainable harvesting, reduced impact logging, manufacture of durable wood products, other (please specify)
Waste	Solid waste management, landfill methane recovery, wastewater management, other (please specify)

Annex 3 to the uniform reporting format

1995 IPCC GLOBAL WARMING POTENTIAL (GWP) VALUES[1] BASED ON THE EFFECTS OF GREENHOUSE GASES OVER A 100-YEAR TIME HORIZON

Greenhouse gas	Chemical formula	1995 IPCC GWP
Carbon dioxide	CO_2	1
Methane	CH_4	21
Nitrous oxide	N_2O	310

[1] As provided by the IPCC in its Second Assessment Report. Please refer to conclusions of the SBSTA at its fourth session (FCCC/SBSTA/1996/20) and decision 2/CP.3 (FCCC/CP/1997/7/Add.1).

Greenhouse gas	Chemical formula	1995 IPCC GWP
Hydrofluorocarbons (HFCs)		
HFC-23	CHF_3	11700
HFC-32	CH_2F_2	650
HFC-41	CH_3F	150
HFC-43-10mee	$C_5H_2F_{10}$	1300
HFC-125	C_2HF_5	2800
HFC-134	$C_2H_2F_4$ (CHF_2CHF_2)	1000
HFC-134a	$C_2H_2F_4$ (CH_2FCF_3)	1300
HFC-152a	$C_2H_4F_2$ (CH_3CHF_2)	140
HFC-143	$C_2H_3F_3$ (CHF_2CH_2F)	300
HFC-143a	$C_2H_3F_3$ (CF_3CH_3)	3800
HFC-227ea	C_3HF_7	2900
HFC-236fa	$C_3H_2F_6$	6300
HFC-245ca	$C_3H_3F_5$	560
Perfluorocarbons		
Perfluoromethane	CF_4	6500
Perfluoroethane	C_2F_6	9200
Perfluoropropane	C_3F_8	7000
Perfluorobutane	C_4F_{10}	7000
Perfluorocyclobutane	$c\text{-}C_4F_8$	8700
Perfluoropentane	C_5F_{12}	7500
Perfluorohexane	C_6F_{14}	7400
Sulphur hexafluoride	SF_6	23900

Annex 4 to the uniform reporting format

[Decision adopting the revised URF]

Annex 5 to the uniform reporting format

[Decision 5/CP.1]

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